

Notice of Allowability

Application No.

10/040,933

Applicant(s)

RICHARD, PHILIPPE

Examiner

Venkat Perungavoor

Art Unit

2132

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/12/2006.
2. ☒ The allowed claim(s) is/are 1, 18, 23, 40 and 45-48.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input checked="" type="checkbox"/> Other <u>Claim set.</u> |

DETAILED ACTION
EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Elliot Light on 6/2/2006.

*Please enter the attached
~~new~~ claim set.*

The claims submitted include markings that was not previously marked and claims 41-44 are cancelled.

Allowable Subject Matter

Claims 1, 18, 23, 40, 45-48 are allowed.

The following is an examiner's statement of reasons for allowance: The Applicant's invention is directed to an information management method involving events and event handlers. The Applicant has incorporated previously indicated allowable subject matter. The prior art is deficient of a second handler that handles raise events.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Venkatanarayanan Perungavoor whose telephone number is 571-272-7213. The examiner can normally be reached on 8-4:30. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

6/1/2006

Venkatanarayanan Perungavoor
Examiner
Art Unit 2132



GILBERTO BARRON JR.
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

Listing of Claims:

1. (Currently Amended) An information management method comprising:
 - invoking a client environment hosted on a client machine;
 - registering the client environment with a discovery machine coupled to the client machine by a network;
 - processing an event at the discovery machine using a first event handler, wherein the event is selected from the group consisting of a register event, an unregister event, a send/post event, a request event and a raise event;
 - invoking a second event handler upon the occurrence of the raise event;
 - registering a server machine coupled to the network with the discovery machine;
 - registering a host environment of the client environment on the server machine with the discovery machine upon an indication that the server machine has a communication for the client environment;
 - determining whether a client machine is on-line; and
 - establishing a direct link between the client machine and the server machine if the client machine is on-line; and
 - delivering the communication from the server machine to the client machine via the direct link.
- 2 -17 (Canceled)
18. (Currently Amended) An information management method as recited in claim 17 wherein the second event handler processes at least one of a life expiration event, timeout event or an error event.
- 19 -22 (Canceled)
23. (Currently Amended) An information management system comprising:
 - a plurality of client machines, each of which are coupled to a network, that host a plurality of client environments;
 - a plurality of server machines, each of which are coupled to the network, that host a plurality of host client environments;
 - a plurality of discovery machines, each of which are coupled to the network, and comprising a first event handler, wherein the plurality of discovery machines is adapted for:

determining whether a client machine is on-line; and
facilitating a connection between a single client environment ~~associated with the client machine~~ and a single host client environment ~~associated with the server machine~~ for the transfer of information if the client machine is on-line; and

wherein the first event handler is adapted for:

processing at least one event selected from the group consisting of a register event, an unregister event, a send/post event, a request event and a raise event; and
invoking a second event handler upon occurrence of the raise event.

24-39 (Canceled)

40. (Original) An information management system as recited in claim 23 wherein the second event handler processes at least one of a life expiration event, timeout event or an error event.

41-44 (Canceled)

45. (Previously Presented) An information management method comprising;
invoking a client environment hosted on a client machine;
registering the client environment with a discovery machine coupled to the client machine by a network;
processing an event at the discovery machine using a first event handler, wherein the event is selected from the group consisting of a register event, an unregister event, a send/post event, a request event and a raise event;
invoking a second event handler upon the occurrence of the raise event;
registering a server machine coupled to the network with the discovery machine;
registering a host environment of the client environment on the server machine with the discovery machine upon an indication that the server machine has a communication for the client environment;
establishing a direct link between the client machine and the server machine; and
delivering the communication from the server machine to the client machine.

46. (Previously Presented) An information management method as recited in claim 45 wherein the second event handler processes at least one of a life expiration event, timeout event or an error event.

47. (Previously Presented) An information management system comprising:

- a plurality of client machines, each of which are coupled to a network, that host a plurality of client environments;

- a plurality of server machines, each of which are coupled to the network, that host a plurality of host client environments;

- a plurality of discovery machines, each of which are coupled to the network, comprising a first event handler, wherein the plurality of discovery machines is adapted for facilitating a connection between a single client environment and a single host client environment for the transfer of information, and wherein the first event handler is adapted for:

 - processing at least one event selected from the group consisting of a register event, an unregister event, a send/post event, a request event and a raise event; and

 - invoking a second event handler upon occurrence of the raise event.

48. (Previously Presented) An information management system as recited in claim 47 wherein the second event handler processes at least one of a life expiration event, timeout event or an error event.